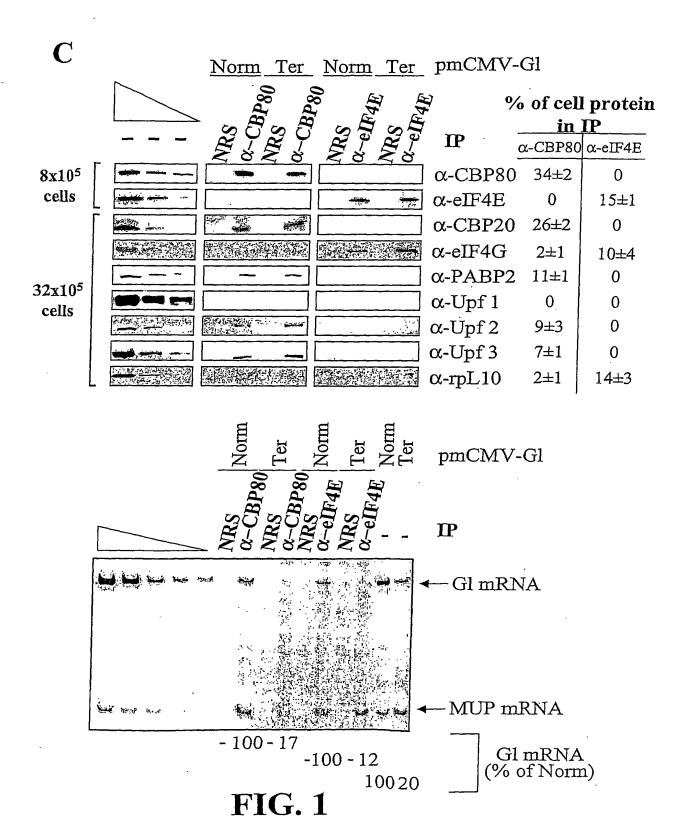
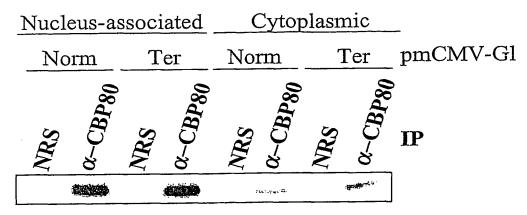


FIG. 1 BEST AVAILABLE COPY





western blot: α-CBP80

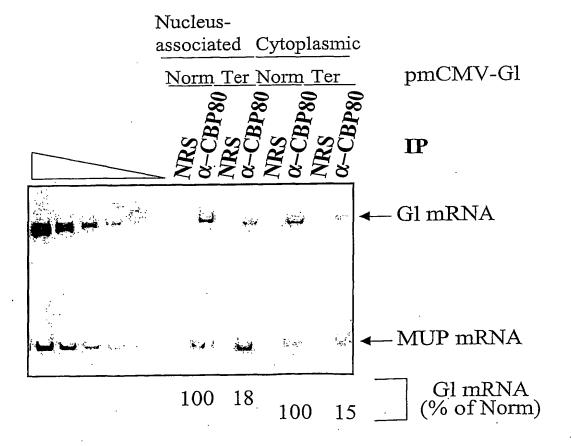


FIG. 2

	 NRS 0-Upt3/3x	F IP	% of cell protein in IP
	 	α-Upf 3	15
	 	α -CBP80	3
32x10 ⁵		α-PABP 2	5
cells		α-eIF4E	0
	·	α-Upf 1	0
	10000000000000000000000000000000000000	α-Upf 2	14

FIG. 3

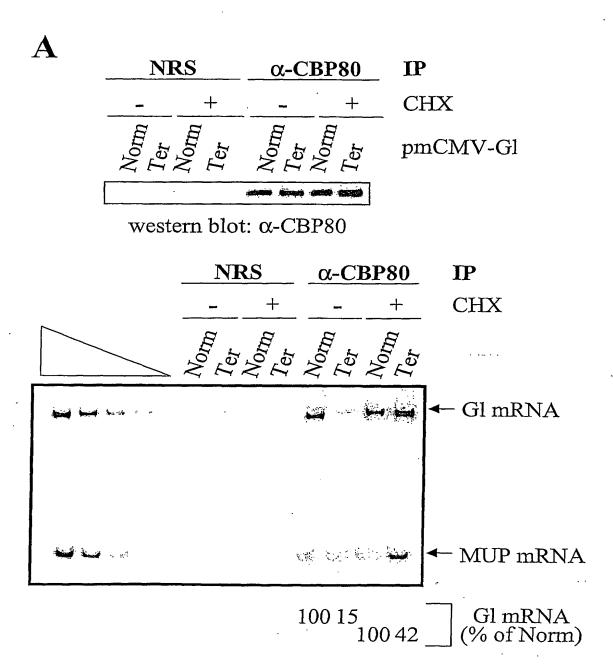


FIG. 4

<u>...</u>

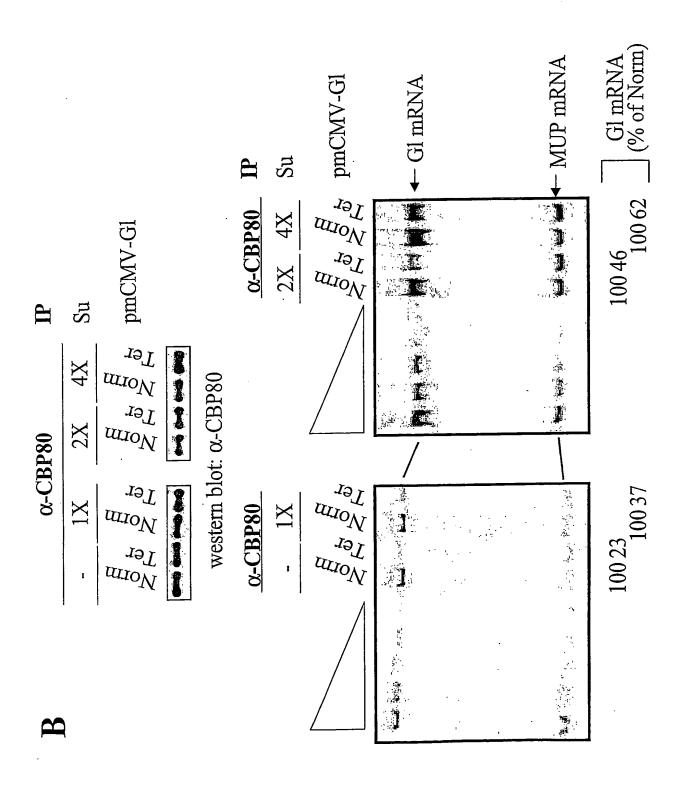


FIG. 4

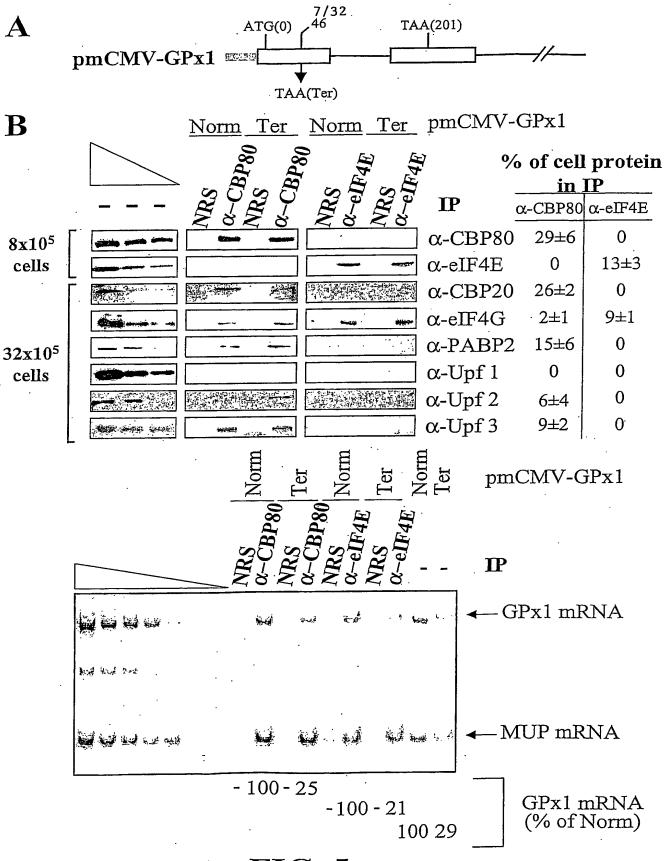


FIG. 5

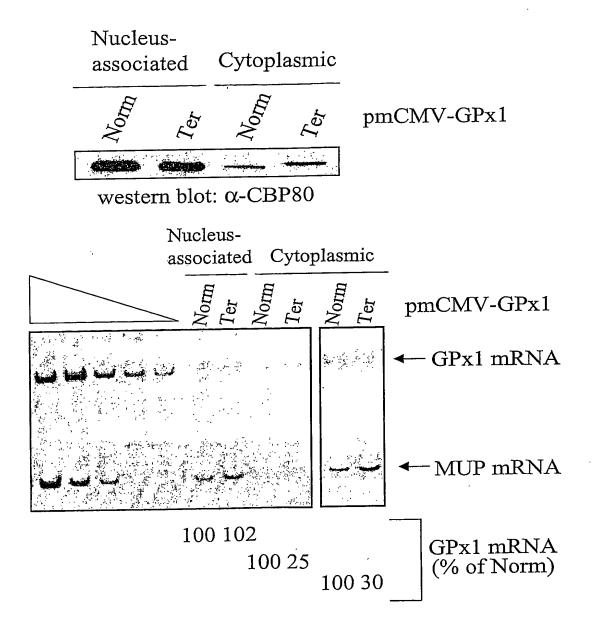


FIG. 6

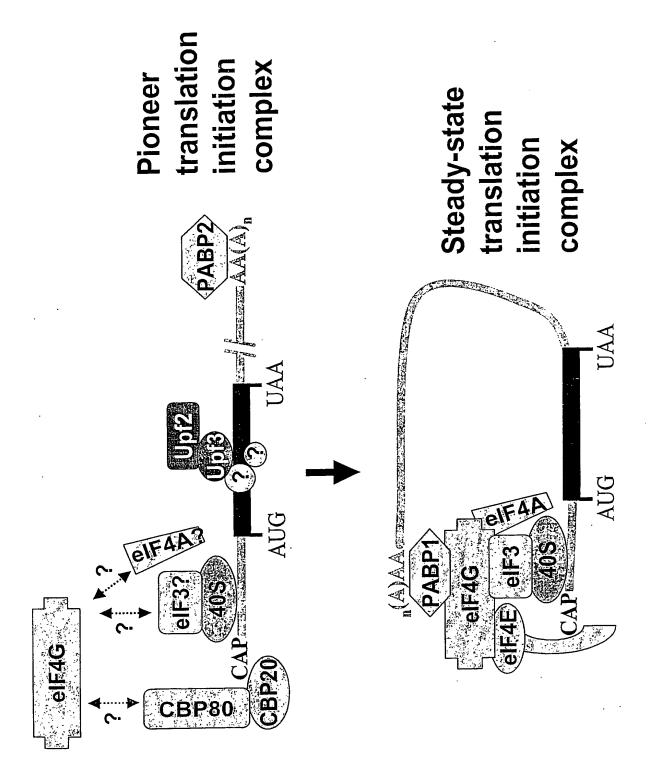
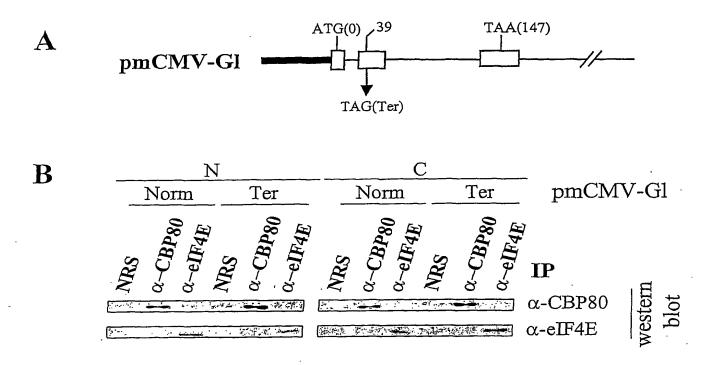


FIG. 7



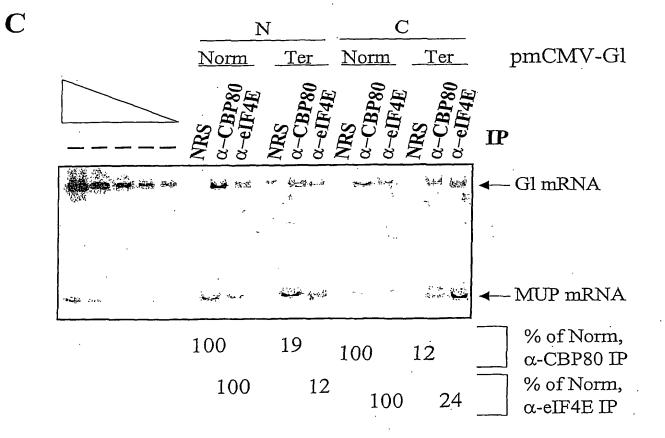
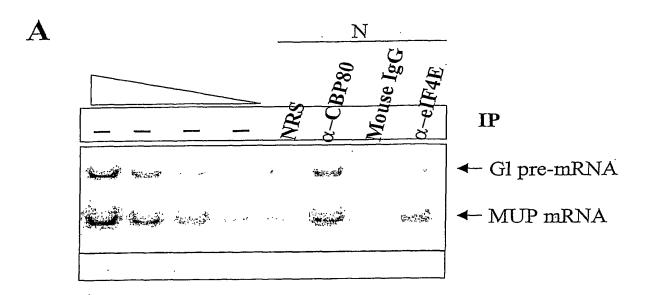
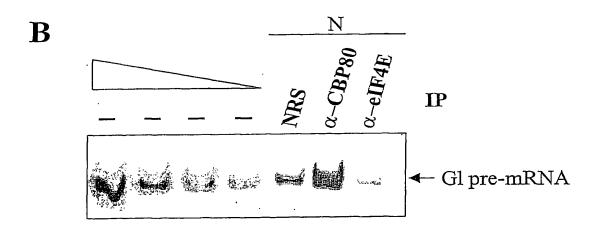


FIG. 8





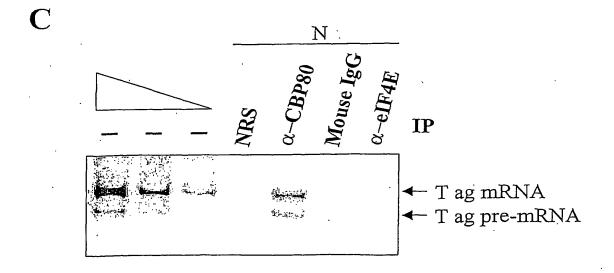


FIG. 9

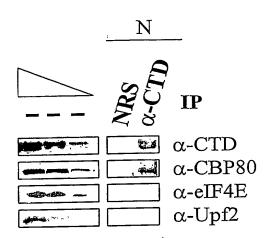


FIG. 10

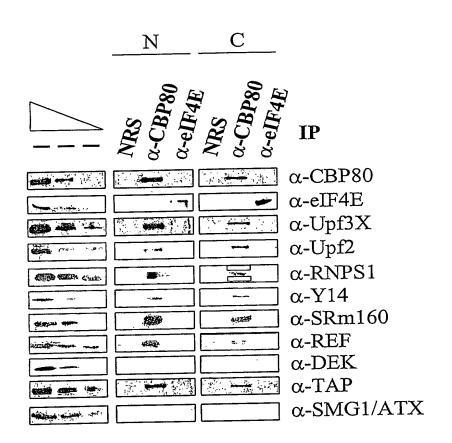


FIG. 11

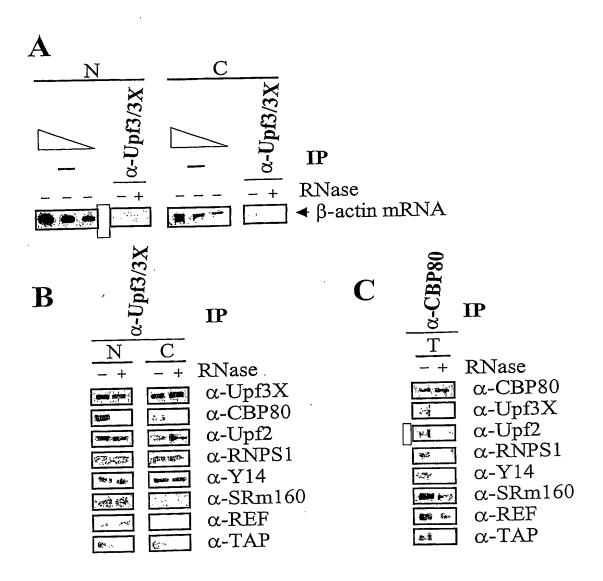


FIG. 12

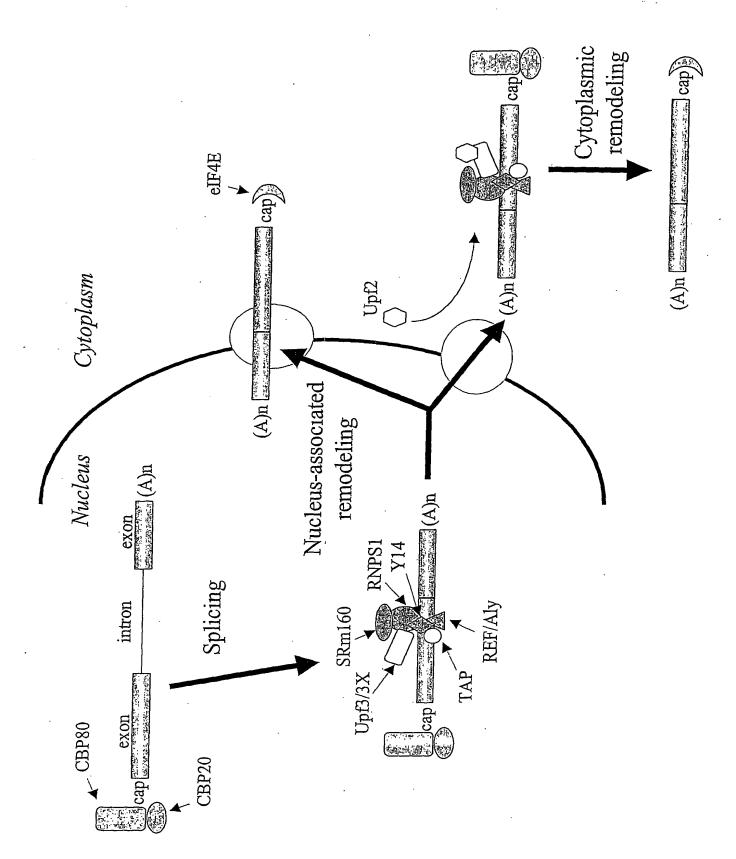


FIG. 13

MAEGLERVRISASELRGILATLAPQAGSRENMKELKEZRPRKONRRPDLEIYKPGLSRLRNKPKIKEPPGSEEPKDEIVN : 80 DRDCSAVENGTQPVKDVCKELNNQEQNGPIDPENNRGQESFPRTAGQEDRSLKIIKRTKKPDLQIYQPGRRLQTVSKESA: 160 SRVEREEVLNOVEOLRVEEDECRGNVAKEEVANKPDRAEIEKSPGGGRVGAAKGEKGKRMGKGEGVRETHDDPARGRPGS AKRYSRSDKRRNRYRTRSTSSAGSNNSAEGAGLTDNGGRRREDDRTKERPPLKKOVSVSSTDSLDEDRIDEPDGLGPRRS SERKEHLERNWSGRGEGEOKTSAKEYRGTLRVTFDAEAMNKESPMVRSARDDMDRGKPDKGLSSGGKGSEKOBSKNPKOE LRGRGRGILILPAHTTLSVNSAGSPESAPLGPRLLFGSGSKGSRSWGRGGTTRRLWDPNNPDQKPALKTQTPQLHFLDTD DEVSPTSWGDSRQAQASYYKFQNSDNPYYYPRTPGPASQYPYTGYNPLQYPVGPTNGVYPGPYYPGYPTPGGQYVCSPLP 560 TSTMSPEEVEQHMRNLQQQELHRLLRVADNQELQL6NLLSRDRISPEGLEKMAQLRAELLQLYERCILLDIEFSDNQNVD 640 QILWKNAFYQVIEKFRQLVKDPNVENPEQIRNRLLELLDEGSDFFDSLLQKLQVTYKFKLEDYMDGLAIRSKPLRKTVKY 720 ALISAORCMICOGDIARYREQASDTANYGKARSWYLKAOHIAPKNGRPYNOLALLAVYTRRKLDAVYYYMRSLAASNPIL 200 TAKESLMSLFEETKRKAEQMEKKQHEEFDLSPDQWRKGKKSTFRHVGDDTTRLEIWIHPSHPRSSQGTESGKDSEQENGL: 880 GSLSPSDLNKRPILSFLHAHGKLFTRIGMETFPAVABKVLKBFQVLLQHSPSPIGSTRMLQLMTINMFAVHNSQLKDCFS 960 eecrsviqeqaaalglamfsllvrrctcllkesakaqlsspedqddqddikvssfvpdlkellpsvkvwsdwmlgypdtw 1040 NPPPTSLDLPSHVAVDVWSTLADFCNILTAVNQSEVPLYKDPDDDLTLLILEEDRLLSGFVPLLAAPQDPCYVEKTSDKV 1120 IAADCKRVTVLKYFLEALCGQEEPILLAFKGGKYVSVAPVPDTMGKEMGSQEGTRLEDEEEDVVIEDFEEDSEAEGSGGED 1200 direlrakklalarkiaeogrrqekiqavledhsqmrqmeleirplflvpdtngfidhlaslarllesrkyilvvplivi 1280 : 1360 NELDGLAKGQETDHRAGGYARVVQEKARKSIEFLEQRFESRDSCLRALTSRGNELESIAFRSEDITGQLGNNDDLILSCC LHYCKDKAKDFMPASKEEPIRLLREVVLLTDDRNLRVKALTRNVPVRDIPAFLTWAQVG

B

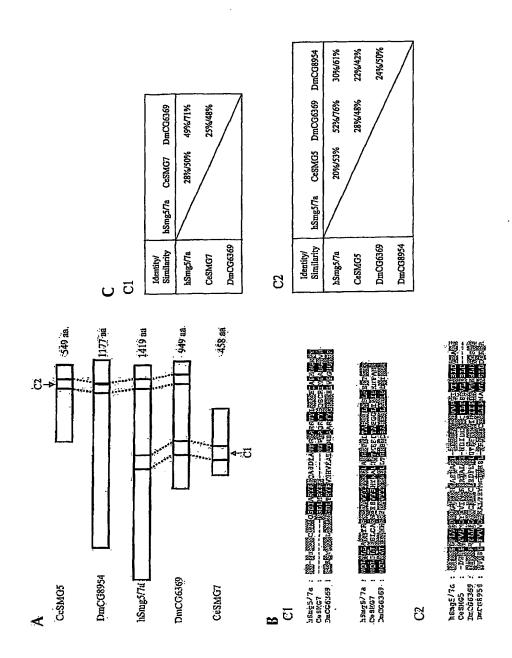


FIG. 15

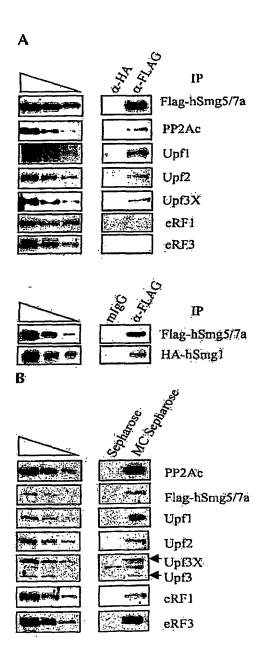
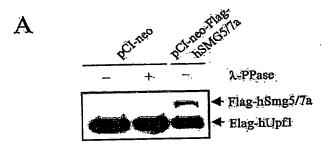


FIG. 16



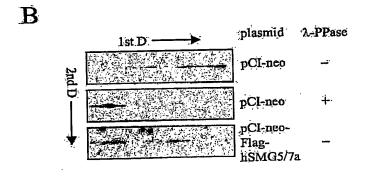


FIG. 17



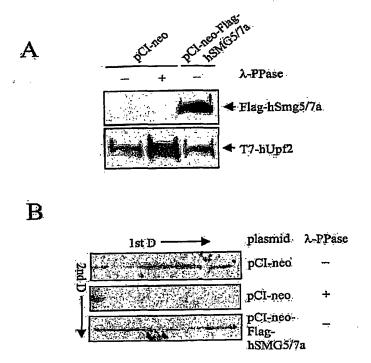
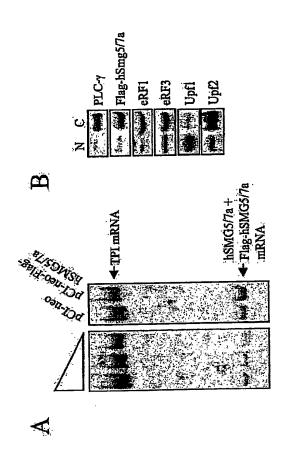


FIG. 18





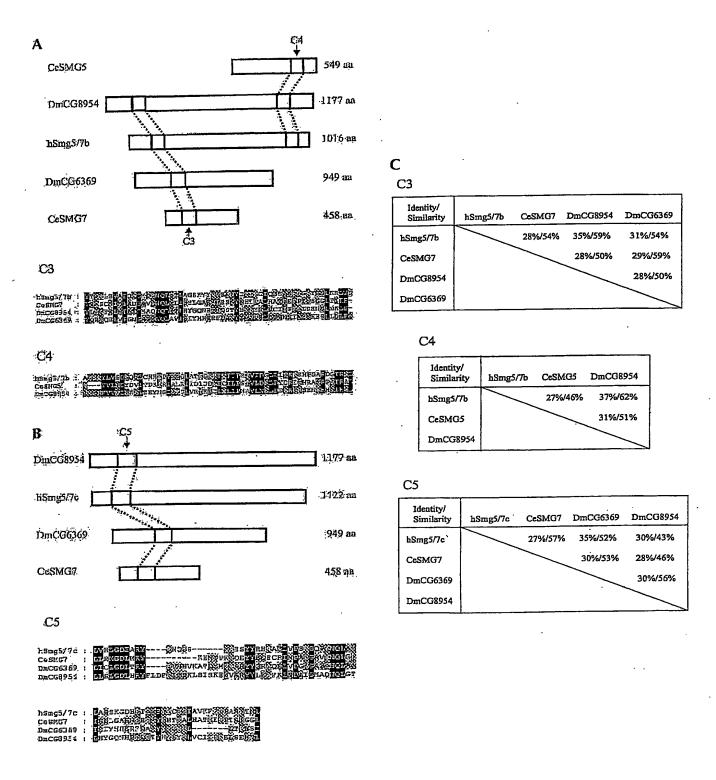
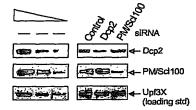


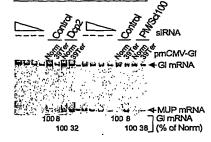
FIG. 20

A. Down-regulation of Dcp2 or PM/Scl100

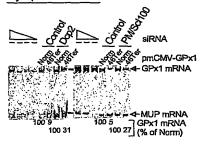
Western blot



Nucleus-associated NMD

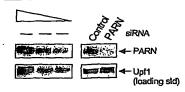


Cytoplasmic NMD

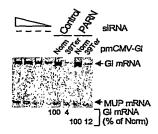


B. Down-regulation of PARN

Western blot



Nucleus-associated NMD



Cytoplasmic NMD

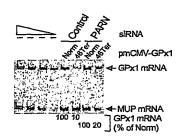


FIG. 21

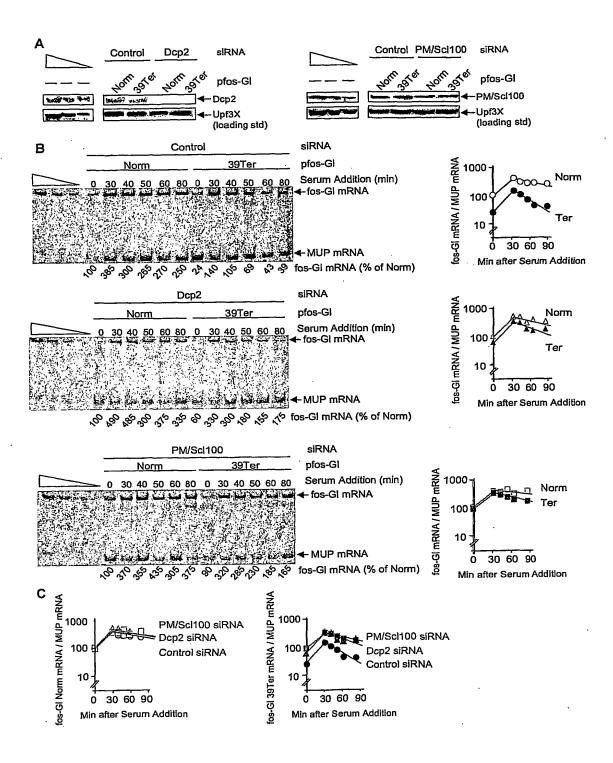


FIG. 22

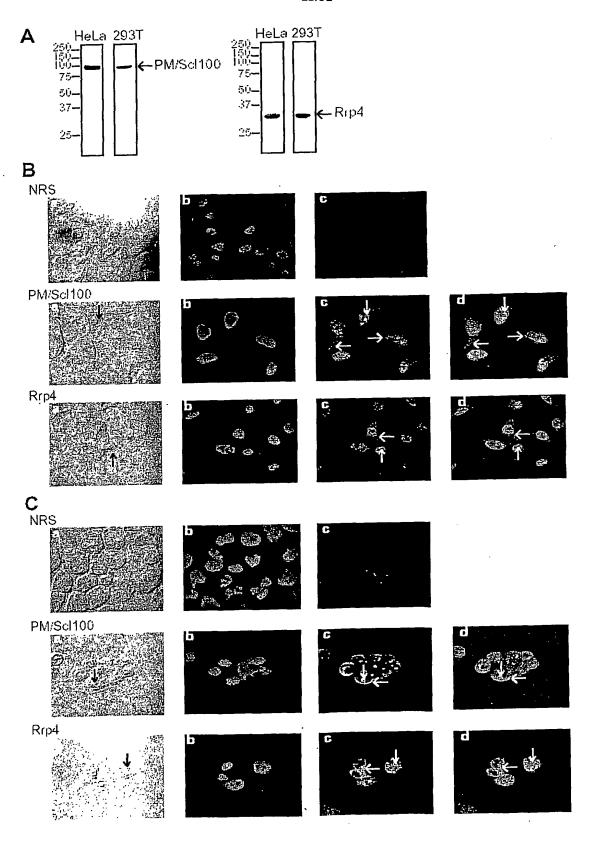


FIG. 23

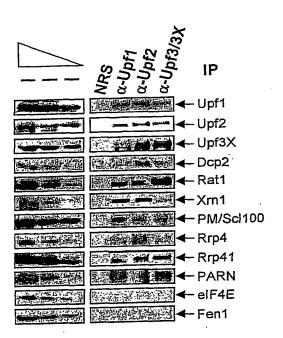


FIG. 24

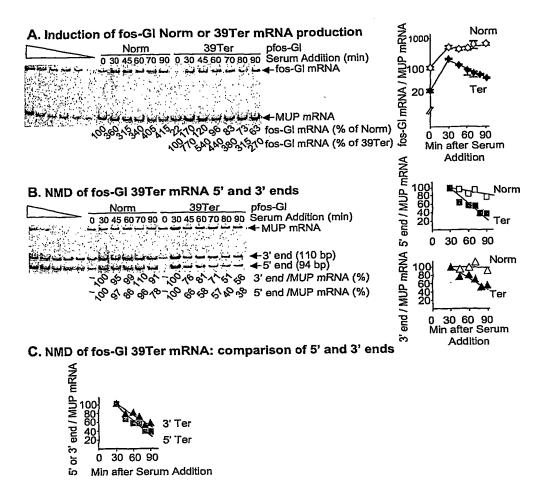


FIG. 25

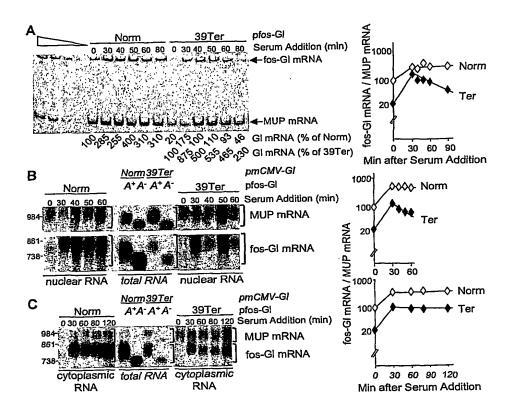


FIG. 26

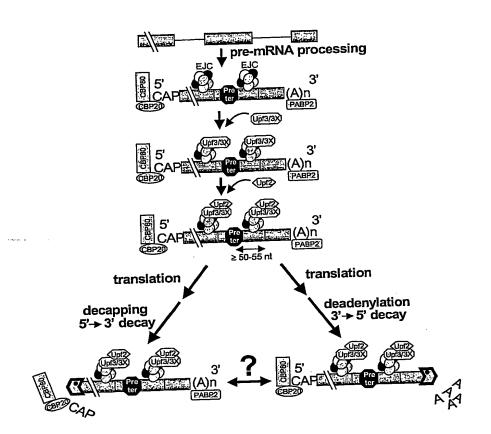
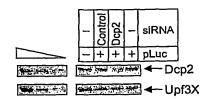


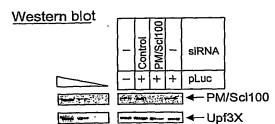
FIG. 27

A. Down-regulation of Dcp2

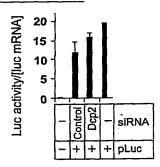
Western blot



B. Down-regulation of PM/Scl100



Luciferase assay



Luciferase assay

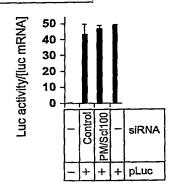


FIG. 28

WO 2004/037976

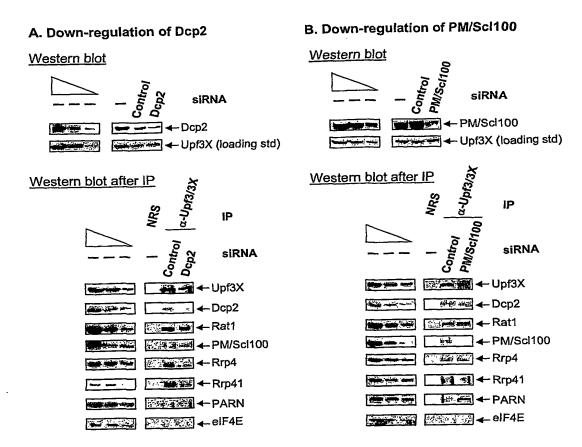
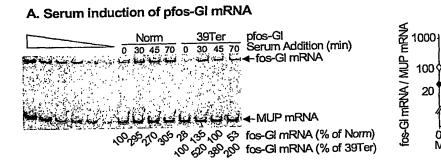


FIG. 29

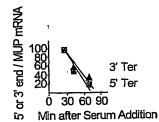
Norm

0 30 60 90 Min after Serum Addition

32/32



B. Comparison of fos-GI 39Ter mRNA 5' and 3' ends



time	30'	45'	70'
3' Ter	100	61	38
5' Ter	100	52	23

FIG. 30

This Page is Inserted by IFW Indexing and Scanning Operations and is not part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:
☐ BLACK BORDERS
☐ IMAGE CUT OFF AT TOP, BOTTOM OR SIDES
FADED TEXT OR DRAWING
☐ BLURRED OR ILLEGIBLE TEXT OR DRAWING
☐ SKEWED/SLANTED IMAGES
☐ COLOR OR BLACK AND WHITE PHOTOGRAPHS
☐ GRAY SCALE DOCUMENTS
☐ LINES OR MARKS ON ORIGINAL DOCUMENT
☐ REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY

IMAGES ARE BEST AVAILABLE COPY.

☐ OTHER:

As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.